(1) 
$$\chi^2 + 6\chi = 0$$

FORMA 1  
(factor comin)  

$$\chi(\chi+6) = 0$$

$$\begin{cases} \chi_1 = 0 \\ \chi_2 + 6 = 0 \implies \chi_2 = -6 \end{cases}$$

FORMA 2 
$$(fornula)$$
  $a = 1$   $b = 6$   $c = 0$ 

$$x_2 = -\frac{b}{a}$$
;  $x_2 = -\frac{6}{1}$ ;  $x_2 = -6$ 

$$2 3x^2 = 12x$$
$$3x^2 - 12x = 0$$

FORMA 1
$$3x(x-4) = 0 \begin{cases} 3x = 0 & \to x = \frac{0}{3}; [x_1 = 0] \\ x - 4 = 0 & \to x = \frac{1}{2}; [x_2 = 0] \end{cases}$$

FORMA 2

$$\begin{array}{c}
a = 3 \\
b = -12 \\
c = 0
\end{array}$$

$$\begin{array}{c}
x_1 = 0 \\
x_2 = -\frac{b}{a}; \quad x_2 = -(-12) = \frac{12}{3}; \quad \boxed{x_2 = 41}$$

$$3 5x = 10x^2 \implies 10x^2 - 5x = 0$$

FORMA 1
$$5 \times (2 \times -1) = 0$$

$$\begin{cases} 5 \times = 0 \rightarrow \boxed{\times}_{1} = 0 \\ 2 \times -1 = 0 \rightarrow 2 \times = 1 \end{cases}$$

$$\boxed{\times}_{2} = 1$$

$$\boxed{\times}_{2} = 1$$

$$a = \frac{10}{5}$$
  $X_{1} = 0$   
 $b = -5$   $X_{2} = \frac{-5}{a}$ ;  $X_{2} = \frac{-(-5)}{10}$ ;  $X_{2} = \frac{5}{10}$ ;  $X_{2} = \frac{1}{2}$ 

$$(4)$$
  $25 \times^2 - 4 = 0$ 

FORMA 2
Usawob la firmula.

$$a = 25$$
 $b = 0$ 
 $C = -4$ 
 $x = \pm \sqrt{\frac{-C}{a}} = \pm \sqrt{\frac{-(-4)}{25}} = \pm \sqrt{\frac{25}{25}} = \pm \sqrt{\frac{4}{25}} = \pm \sqrt{\frac{25}{25}} = \pm \sqrt{\frac{25}{25$ 

(5) 
$$-8x^{2} = -18$$
  
 $-8x^{2} + 18 = 0$   $\begin{cases} a = -8 \\ b = 0 \\ c = 18 \end{cases}$   
 $x = \pm \sqrt{-\frac{1}{a}}$   
 $x = \pm \sqrt{-\frac{1}{4}} = \pm \sqrt{\frac{9}{4}} = \pm \sqrt{\frac{9}{4}} = \pm \frac{3}{2}$   
 $x = \pm \sqrt{\frac{3}{2}}$   
 $x = \pm \sqrt{\frac{3}{2}}$ 

6 
$$5x^2 = 100$$
  $\rightarrow 5x^2 - 100 = 0$   $\begin{cases} a = 5 \\ b = 0 \\ c = -100 \end{cases}$   
 $x = \pm \begin{vmatrix} -c \\ a \end{vmatrix} = \pm \begin{vmatrix} -(-100) \\ 5 \end{vmatrix} = \frac{x_1 = \pm \sqrt{20}}{5}$   
 $= \pm \begin{vmatrix} 100 \\ 5 \end{vmatrix} = \pm \sqrt{20}$